AEROSPACE BADGE

ACTIVITY 6: SHOOT FOR THE STARS

Watch a space launch in person, on television, or on the Web. Find out what kind of space vehicle or satellite was launch and why OR

Visit NASA's website www.nasa.gov and find out what missions are underway or planned for the future. Be sure to check out the NASA kids link.

Resources in Kit:

- Videotape: Meet Me at the Station, 11:47 minutes, 2000
- Videotape: Space Basics, 21 minutes, 1991
- Lithographs: International Space Station Assembly, Research on the International Space Station, and Space Shuttle Endeavour Lifts Off into Space
- ➤ Poster: Space Shuttle Launch Sequence

In This Section:

- > Summaries of the two videotapes listed above.
- Mission Profile Worksheet and websites, NASA Glenn Research Center

Suggestions:

- ➤ Watch the first eight minutes of *Space Basics* to learn about the shuttle launch.
- ➤ Watch *Meet Me At The Station* to find out about the ongoing assembly of the International Space Station. Refer to the lithographs for details.
- ➤ Use the Mission Profile Worksheet in this section to gather information about upcoming launches.

spacelink.nasa.gov/NASA.News/Launch.Dates.and.Payloa
ds/

www-pao.ksc.nasa.gov/kscpao/schedule/schedule.htm spaceflight.nasa.gov/

www.nasa.gov/kids.html

Above and Beyond:

➤ Trace the line art of the Space Shuttle launch sequence in the kit using permanent markers on overhead transparencies, then act out the launch sequence on an overhead projector. Another alternative is to cut the pieces out of felt and use a felt board.

Web Resources (on yellow paper)

- <u>www.space.com/missionlaunches/index.html</u>
 Link with the schedule of upcoming major launches to orbit.
- www-pao.ksc.nasa.gov/kscpao/carpass/carpass.htm
- www.wff.nasa.gov/pages/viewing_launches.html Use the two sites listed here to plan a trip to see an actual launch.
- spaceflight.nasa.gov/gallery/vtour/index.html
 Take a virtual tour of the International Space Station.

Further Reading:

- On the Shuttle: Eight Days in Space by Barbara Bondar, 1993
- ➤ The International Space Station by Wolfgang Engelhart, 1998
- Look Inside Cross Section Space by Moira Butterfield, 1994
- The Space Shuttle by Jacqueline Lang and Bobbie Kalman, 1998

Space Station Science: Life in Free Fall by Marianne J. Dyson,1999